

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

In re Application of:

Inventor: Jung-You FENG

Examiner:

Serial No:

Art Unit:

Filed: Herewith

Docket: FENG3003/EM

For: BANDWIDTH CONTROL METHOD AND DEVICE FOR NETWORK SWITCH

PRELIMINARY AMENDMENT

Honorable Commissioner for Patents
Washington, D.C. 20231

Sir:

This amendment is being submitted with the filing of above-identified new application. Please amend the application as hereinafter specified.

IN THE CLAIMS:

Please amend claims 6-10 as follows. An Appendix of Amended Claims is attached.

7.(Amended) The bandwidth control method as claim in claim 6, wherein in step (D), when entering into the next time slot, there are performed $n=n+1$ and $Tr[n]=g*Tr\Delta[n-1]+(1-g)*Tr[n-1]$, and then step (A) is executed.

8.(Amended) The bandwidth control method as claim in claim 6, wherein in step (B), if there is no packet to be transmitted, it is determined whether to enter into a next time slot, and if no, step (B) is executed.

9.(Amended) The bandwidth control method as claim in claim 8, wherein, when entering into the next time slot, there are performed $n=n+1$ and $Tr[n]=g*Tr[n-1]+(1-g)*Tr[n-1]$, and then step (A) is executed.

10.(Amended) The bandwidth control method as claim in claim 6, wherein in step (C), if the average traffic rate $Tr[n+1]$ generated before time slot $n+1$ is larger than a bandwidth threshold Tr_pre of the client port, it is determined whether to enter into a next time slot, and if no, it waits for the next time slot.

11.(Amended) The bandwidth control method as claim in claim 10, wherein, when entering into the next time slot, there are performed $n=n+1$ and $Tr[n]=g*Tr[n-1]+(1-g)*Tr[n-1]$, and then step (A) is executed.

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REMARKS

The Examiner will note claims 6-10 have been amended to correct an obvious typographical error in the numbering of claim 6. The total claims now under consideration in this application comprise claims 1-11. All of the amendments are fully supported by the original disclosure of this application and therefore do not serve to introduce any new matter into this case.

If the Examiner should have any questions concerning this matter, the undersigned may be reached at his Alexandria, Virginia office at (703) 683-0500.

Respectfully submitted,
BACON & THOMAS, PLLC



EUGENE MAR
Registration No. 25,893

BACON & THOMAS
625 Slaters Lane - 4th Floor
Alexandria, VA 22314
(703) 683-0500

Dated: February 12, 2002

APPENDIX OF MARKED-UP AMENDED CLAIMS

[6.]7.(Amended) The bandwidth control method as claim in claim 6, wherein in step (D), when entering into the next time slot, there are performed $n=n+1$ and $Tr[n]=g*Tr\Delta [n-1]+(1-g)*Tr[n-1]$, and then step (A) is executed.

[7.]8.(Amended) The bandwidth control method as claim in claim 6, wherein in step (B), if there is no packet to be transmitted, it is determined whether to enter into a next time slot, and if no, step (B) is executed.

[8.]9.(Amended) The bandwidth control method as claim in claim [7]8, wherein, when entering into the next time slot, there are performed $n=n+1$ and $Tr[n]=g*Tr\Delta [n-1]+(1-g)*Tr[n-1]$, and then step (A) is executed.

[9.]10.(Amended) The bandwidth control method as claim in claim [1]6, wherein in step (C), if the average traffic rate $Tr[n+1]$ generated before time slot $n+1$ is larger than a bandwidth threshold Tr_pre of the client port, it is determined whether to enter into a next time slot, and if no, it waits for the next time slot.

[10.]11.(Amended) The bandwidth control method as claim in claim [9]10, wherein, when entering into the next time slot, there are performed $n=n+1$ and $Tr[n]=g*Tr\Delta [n-1]+(1-g)*Tr[n-1]$, and then step (A) is executed.